

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 1/04/2006

Control	0015-10-055
Project	IM 0353(252)
Highway	IH 35
County	TRAVIS

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum by entering the date, which appears at the top of this letter on the Addendum Acknowledgement Form, contained in your bid proposal.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

04/99

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: IM 0353(252)

CONTROL: 0015-10-055

COUNTY: TRAVIS

LETTING: 01/10/2006

REFERENCE NO: 0104

PROPOSAL ADDENDUMS

— PROPOSAL COVER

— BID INSERTS (SH. NO.:

X GENERAL NOTES (SH. NO.: G

— SPEC LIST (SH. NO.:

— SPECIAL PROVISIONS:

ADDED:

DELETED:

— SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: See changes below

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

General Notes Sheet G - Note added under Item 104.

Plan Sheet 2C General Note added under Item 104.

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GENERAL NOTES:**Specification Data****Basis of Estimate**

Item	Description	Rate **	Basis	Quantity
316	Surface Treatments One Course Surface Treatment Asph (CHFRS-2P) Aggr (TY B GR 4)	Total 0.28GAL/SY 1 CY/180 SY	SY 172,672 SY 172,672 SY	48,349 GAL 960 CY
346	Stone Matrix Asphalt SMA-D, SAC-A, PG76-22	110 LB/SY/IN	172,672 SY	19,020 TON

** For Informational Purposes Only

Superelevate all curves to conform to the slope of the existing curves.

Accrue Contract time charges through the Contractor's completion of the final punch list.

Meet weekly with the Engineer to notify him or her of planned work for the upcoming week.

Blade the side slopes to remove all grass from the area of construction before placing flexible base on that portion of the roadway to be widened, level-up, seal coat, or HMAC overlay. Blade the sod back onto the side slopes after the proposed items of work have been completed. Consider subsidiary to pertinent Items.

Equip all construction equipment in roadway work with a permanently mounted 360° revolving or strobe warning light with amber lens. Light will have a minimum lens height and diameter of 5 in. and mounting height of not less than 6 ft. above the roadway surface and be visible from all sides. Attach at each side of the rear end of the construction equipment an approved orange warning flag mounted not less than 6 ft. above the roadway surface.

Overhead and underground utilities exist in the vicinity of the project. The exact location of underground utilities is not known. Contact the Texas Excavation Safety Systems (TESS) or DIG TESS at 1-800-344-8377 or the area utility companies for exact locations at least 48 hours before commencing any work that might affect present utilities.

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Sweep, mow, and remove all litter, construction debris and surplus material on the right of way within the project limits to keep the jobsite in a neat and presentable condition at all times. Consider subsidiary to pertinent Items.

Trim vegetation around signs and other obstructions. Consider subsidiary to pertinent Items.

Supply litter barrels in enough numbers at locations as directed to control litter within the project. Consider subsidiary to pertinent Items.

Use a self-contained vacuum broom to sweep the roadway and keep it free of sediment as directed. Maintain one self-contained vacuum in good condition at the project site at all times.

Protect all areas of the right of way which are not included in the actual limits of the proposed construction areas from destruction. Exercise care to prevent damage to trees, vegetation, and other natural surroundings. Areas not to be disturbed will be as directed. Restore any area disturbed as a result of the Contractor's operations to a condition as good as, or better before the beginning of work.

All locations used for storing construction equipment, materials, and stockpiles of any type within the right of way will be as directed. Use of right of way for these purposes will be restricted to those locations where driver sight distance to businesses and side street intersections is not obstructed and at other locations where an unsightly appearance will not exist.

Coordinate and obtain approval for all bridge work over existing roadways with the Engineer.

SW3P/WPAP notes

Plug any abandoned wells found on site during construction in coordination with the Texas Commission on Environmental Quality (TCEQ). Cease construction operations in this area and notify the Engineer who will coordinate the proper plugging procedures with TCEQ.

Plug any drill holes, resulting from core sampling on-site or down-gradient of the site, with concrete from the bottom of the hole to the top of the hole so that water and contaminants are not allowed to enter the subsurface environment.

Restrict construction vehicles from traversing or utilizing existing roadways, unprotected construction areas, and areas with vegetative cover.

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Unless otherwise approved, vehicles will not be maintained on-site during construction except at designated maintenance sites.

Transport any soils contaminated during construction of the proposed project from the site and properly dispose of off-site, off the recharge zone, and off any area draining to the recharge zone of the Edwards Aquifer.

Collect wastewater generated on-site by chemical toilets and transport off the recharge zone and dispose of properly.

Suspend all activities near any significant recharge features, such as sinkholes, caves, or any other subterranean openings that are discovered during construction or core sampling. Do not proceed until the Department geologist is present to evaluate. The discovery may require TCEQ review and approval for the methods proposed to protect the aquifer from any potential adverse impacts.

Locate above-ground storage tanks kept on-site for construction purposes over bermed impervious liners as to not allow any leakage into underlying soils. Additionally, the containment shall be sized to capture 150% of the total volume of fluids stored on-site within the storage area.

Unless otherwise approved, no blasting will be allowed within 300 ft. of a geologic feature of significant recharge potential. Known locations of these features are available from the Area Engineer.

ITEM 5

Mark and maintain 100 ft. station intervals for the duration of the project. Consider subsidiary to pertinent Items.

ITEM 7

Article 7.19

The Contractor shall not initiate activities in a project specific location (PSL) associated with a U.S. Army Corps of Engineers (USACE) permit area that have not been previously evaluated by the USACE as part of the permit review of this project. Such activities include, but are not limited to, haul roads, equipment staging areas, borrow and disposal sites. Associated defined here means materials are delivered to or from the PSL. The permit area includes all waters of the U.S. or associated wetlands affected by activities associated with this project. Special restrictions may be required for such work. The Contractor shall be responsible for any and all consultations with the USACE regarding activities, including project specific locations (PSLs), that have not been

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previously evaluated by the USACE. The Contractor shall provide the Department with a copy of all consultations or approvals from the USACE before initiating activities.

The Contractor may proceed with activities in PSLs that do not affect a USACE permit area if a self determination has been made that the PSL is non-jurisdictional or proper USACE clearances have been obtained in jurisdictional areas or have been previously evaluated by the USACE as part of the permit review of this project. The Contractor is solely responsible for documenting any determinations that their activities do not affect a USACE permit area. The Contractor shall maintain copies of their determinations for review by the Department or any regulatory agency.

ITEM 8

Working days will be computed and charged in accordance with Article 8.3.A.1 Five-Day Workweek.

Article 8.3B

Work that interferes with traffic is required to be performed during non-peak hours, 8 pm until 6 am.

Article 8.3C

Work is required to be performed during the nighttime.

Lane Closures

IH35 Mainlanes

The traffic control plan depicted within the plans provides for the continuous flow of IH 35 mainlane traffic with no reduction of lanes during peak hours. Lane closures will be required during various phases of the project (setting of portable concrete barrier, removing and replacing CTB, milling, paving, striping operations, etc.) but will be limited to non-peak weekday and non-peak weekend hours.

Ramps

Ramps are to remain open at all time except as noted in the Traffic Control Plans. Ramp closures will be allowed only during non-peak hours.

Item 8: Prosecution and Progress

LANE RENTALS

The contractor will be assessed a lane rental charge for each Freeway main lane closed and/or for each Freeway main lane obstructed from the time of notice to proceed until substantial completion of the project. The hourly lane rental rates specified herein will

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be prorated to a quarter hour basis. The schedule of rental charges and credits will be as follows:

IH-35 MAIN LANE RENTAL SCHEDULE AND RATES

Traffic Conditions	Hourly Rental Rate North Bound (per lane)	Hourly Rental Rate South Bound (per lane)	Maximum Credit for North Bound Closures (per lane)	Maximum Credit for South Bound Closures (per lane)
Week Day Peak Hours Monday-Friday 6:00AM-8:00PM	\$5,200	\$8,800	0	0
Week Day Semi-peak Hours Monday-Friday 5:00AM-6:00AM 8:00PM-10:00PM	\$2,500	\$4,600	\$1,375,000	\$2,530,000
Week Day Off-Peak Hours Mon-Friday 10:00PM-5:00AM Sun 7:00PM–Mon 5:00AM	\$1,000	\$1,000	\$805,000	\$805,000
Weekend Peak Hours Sat. Noon - 8:00PM Sun. 11:00AM-5:00PM	\$5,200	\$8,800	\$0	\$0
Weekend Semi-peak Hours Fri. 10:00PM-Midnight Sat. 9:00AM-Noon Sat. 8:00PM-10:00PM Sun. 9:00AM-11:00AM Sun 5:00PM-7:00PM	\$2,500	\$4,600	\$0	\$0
Weekend Off-Peak Hours Sat. Midnight -9:00AM Sat 10:00PM- Sun 9:00AM	\$1,000	\$1,000	\$0	\$0

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Contractor will be charged the above lane rental fees if and when he/she exceeds closures in excess of the maximum credits hours specified for each condition and/or incurs closures in traffic conditions with no time credit.

At the end of each month during the project, the Contractor and the Engineer shall agree to the total number of credit hours lane rental fees assessed for that month for each traffic condition as specified above.

Completing the work under the maximum number of credit hours for lane closures as specified in the table is encouraged. Any remaining credit for lane rentals at the completion of the project, up to \$100,000, will be awarded as an incentive.

The Department will supply bidders, upon written request, one copy of the lane rental credit hour analysis. The lane rental credit hour analysis is provided for informational use only and is not intended for bidding or construction purposes.

The Department will not adjust the maximum amount of credit issued for lane rental assessment due to differences in opinion regarding any assumptions made in the preparation of the lane rental credit hour analysis or for errors, omissions or discrepancies found in the credit hour analysis.

The road-user cost liquidated damages, the lane rental charge, the lane assessment fees and the contract administration liquidated damages will be assessed not as a penalty, but for added expense incurred by the traveling public and the department. These assessments will be deducted from any moneys due or to become due to the Contractor.

During special events or at certain times, such as University of Texas home football games, Thanksgiving, and Christmas season, the Engineer may stop or reduce lane closures and provide additional traffic control measures to relieve traffic congestion.

Situations resulting from conditions not controlled by the Contractor causing lost time such as natural disasters, utility conflicts and/or unusually severe weather will not be considered a basis for assessment of lane assessment fee when the overlap occurs after the lane closure has been set.

Waiving lane rental fees will only be considered when a condition, not under the control of the Contractor, does not allow the re-opening of a lane or lanes within thirty minutes, or a time determined by the Engineer.

Closures will be allowed during these times and for these purposes provided that the Contractor has fully implemented the approved TCP and obtained the approval of the Engineer as outlined herein.

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The Department will supply bidders, upon written request, one copy of the time determination schedule. The time determination schedule is provided for informational use only and is not intended for bidding or construction purposes.

The Department will not adjust the number of working days for the project and milestones, if any, due to differences in opinion regarding any assumptions made in the preparation of the schedule or for errors, omissions or discrepancies found in the time determination schedule.

ITEM 104

The removal of existing luminaires shall be considered subsidiary to this bid item.

ITEM 300

Asphalt season starts April 1 and ends October 31.

ITEM 316

Surface all transitions, tapers, climbing lanes and intersections to the limits as directed.

Keep all traffic including construction traffic off freshly placed surface treatment.

Distribution to each control section will be proportioned to the volumetric quantity as shown on the "daily road report".

Asphalt storage tanks may be used.

Remove pavement markers.

Remove vegetation and blade pavement edges.

ITEM 346

Asphalt binder used shall be PG 76-22TR with a minimum 5% tire rubber

Use aggregate that meets the SAC requirement of class A.

Aggregates used on shoulders and ramps are required to meet SAC requirements.

Laydown operations shall be performed in such sequence that the longitudinal joint will be carried along without excess distance of lapback and not to exceed one day's operation, unless otherwise authorized.

The overlay from the previous day shall be sawcut prior to the next overlay operation. Consider subsidiary to this bid item.

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HMACP that exhibits signs of segregation during laydown operations, in the opinion of the Engineer, shall be removed by planing and replacing by the Contractor at no expense to the Department. Minimum removal and replacing shall be 50-feet.

ITEM 354

Do not plane more pavement than can be covered with surface treatment, SMA, and striping in the same night at any location in the project unless otherwise approved.

The contractor shall start planing operations on the inside lane/shoulder. The exact location of areas to be planed shall be marked by the Engineer prior to removing pavement.

Remove the loose material from the roadway before opening to traffic.

The Contractor will retain ownership of planed materials.

ITEM 416

Include the cost for furnishing and installing anchor bolts mounted in the drilled shafts in the unit bid price for the various diameter drilled shafts.

The department may test using ultrasonic methods the anchor bolts for overhead sign supports, light standards and traffic signal poles after they are installed. Replace faulty anchor bolts as directed. Do not weld the anchor bolts.

ITEM 502

Provide within the limits of the project standard barricades, warning signs, delineators, lights, barrels or drums, and flaggers in enough numbers and combinations as directed. Do not use cones on the interstate.

Use a minimum of 2 flaggers, 2 advance warning flashing arrow panels (TY C), 2 of each signs CW20-5R or CW20-5L with appropriate distance plaques and CW9-2R or CW9-2L and 28-in. cones at each location in which milling or paving operations are in progress. Maintain at least 1 lane of traffic in each direction during paving or milling operations. Maintain at least the minimum numbers of lanes as directed.

No work will be allowed on the roadway from 6:00 am to 8:00 pm, Monday thru Friday. All work shall be performed between the hours of 8:00 pm and 6:00 am, Sunday through Thursday. No work on IH 35 shall be allowed on the roadway Friday after 6:00 am, Saturday, unless otherwise authorized by the Engineer.

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No weekend closures will be allowed. No closures will be allowed on holidays including the following: January 1, the last Monday in May, July 4, the first Monday in September, the fourth Thursday in November, December 25 and Easter weekend. Ensure all equipment, vehicles, workers, etc., associated with these closures are off the roadways and all lanes re-opened at least by noon of the Friday before these holidays and special events.

Unless otherwise approved, no daytime closures will be allowed.

Place one TY III Barricade 8 ft. at each stockpile of material that is placed on the right of way and is located within 30 ft. of the traveled way.

Place appropriate portable changeable message boards at locations requiring lane closures for 1 week before the closures or as directed. The Engineer will approve the actual message to appear on the boards.

Use advance warning flashing arrow panels for the closing of traffic lanes. Furnish one stand-by unit, in good working condition at the jobsite, ready for immediate use.

Maintain access to all streets and driveways at all times. Consider subsidiary to the pertinent items.

Furnish advisory speed signs in enough numbers as directed. Maintain enough manpower to revise traffic control as directed.

Repair or replace any signs which are damaged by the Contractor's operations during construction or which are deemed insufficient.

Conduct all construction operations to provide the least possible interference to traffic. Schedule work so all lanes are open to traffic during the daytime.

Coordinate work with the Yager project to the south and SH 45 project to the north as to provide the least possible interference to traffic.

Provide full-time off-duty uniformed certified peace officers in officially marked vehicles as part of traffic control operations.

The peace officers will have to show proof of certification by the Texas Commission on Law Enforcement Standards.

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ITEM 504

Furnish the inspector with one cellular phone small enough to carry on a belt holster. Obtain the Engineer's approval for the proposed cellular phone service plan before putting it into service.

Provide to the Department and their representative a computer and printer at the plant when hot mix asphaltic concrete is being produced. The computer and printer will be located in the lab in which the Department testing is conducted. The computer will be for the sole use of the Department and their representative. The computer must be equipped with an Internet service provider, electronic mail software and Microsoft EXCEL. The operating system and all software must be compatible with the systems and software employed by the Department.

Furnish a Type D structure for the asphalt mix control laboratory for the Engineer's exclusive use. Ensure the floor has enough strength to support the testing equipment and has an impervious covering.

Ensure the Type D structure has adequate air conditioning and is furnished with a minimum of one desk, three chairs, one file cabinet, a telephone, and one built-in equipment storage cabinet for the storage of nuclear equipment. The cabinet will be a minimum of 3-ft wide by 2-ft deep by 3-ft high and will have provisions for locking securely. Provide the structure with a 240-volt electrical service entrance. Provide a minimum of four 120-volt circuits with 20-amp breakers and at most two grounded convenience outlets per circuit and provisions for a minimum of two 220-volt ovens with vents to the outside. Provide a minimum of two convenience outlets per wall and a utility sink with an adequate clean potable water supply for testing. Space heaters for heating the structure are unacceptable. Support block portable structures for stability and tie down.

If the asphalt content is determined by utilizing the ignition method, the structure shall provide for the following in lieu of the Item 504 requirements for asphalt content by extraction. The room to contain the ignition oven shall be adequately power ventilated and contain a NEMA 6-50R (208/240 V, 50 A) outlet within two feet of the ignition oven location, and an independent exhaust outlet to the outside no further than eight feet from the oven. The surface for the ignition oven location shall be level, sturdy, and fire-proof with at least 0.5 feet clearance between the furnace and other vertical surfaces.

No field office will be required for this project.

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ITEM 506

Consider the SW3P for this project to consist of the following items as directed:

Temporary Sediment Control Fence

Locate temporary sediment control fence as directed by the Engineer in the field.

ITEM 514

The contractor shall cast-in-place 25 –linear feet of CTB to provide a smooth and controlled transition from the existing CTB Jersey Barrier to the F-Shape Barrier on both the north and south sides of the project to the satisfaction of the Engineer.

ITEM 545

Moving the ABSORB 350 during the manipulation of the moveable concrete traffic barrier (MCTB) will not be paid for directly, but will be subsidiary to the manipulation of the MCTB.

ITEM 585

Use Surface Test Type B pay adjustment schedule 1 to evaluate ride quality of the travel lanes, in accordance with Item 585, "Ride Quality for Pavement Surfaces."

ITEM 613

Before erecting the high mast poles, notify the Engineer a minimum of 3 working days in advance for scheduling the inspection of each assembled high mast pole and high mast assembly.

For this project, the Contractor shall provide the state with two power drive assemblies.

Place the high mast illumination poles in locations so that the light mounting and support assembly can be lowered and maintained from ground level without interfering with bridges or retaining walls. Notify the Engineer of any such conflicts.

Provide anchor bolts for high mast illumination poles in accordance with the Item, "Anchor Bolts."

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ITEM 614

Erect and place in operation high mast poles before removing existing illumination facilities.

Construct the high mast illumination fixture housing separately from the fixture reflector.

Ensure that the high mast fixtures are natural aluminum or are painted gray.

The high mast power cable must have chlorosulfonated polyethylene (CSPE) insulation. Do not use neoprene type jackets.

Fabricate high mast ring assemblies in conformance with shop drawings. Submit shop drawings for each project, or use pre-approved standard shop drawings.

For project specific shop drawings, furnish seven sets of drawings of the complete assembly in accordance with Item 441, "Steel Structures". Deliver shop drawings to the Director of Traffic Operations Division, Texas Department of Transportation, 125 East 11th Street, Austin, Texas 78701-2483.

To be eligible to use pre-approved standard shop drawings, the shop drawing must be submitted and approved by the Department before use on the project. Deviation from the pre-approved standard shop drawing will require resubmission of the shop drawings. The Engineer may approve, in writing, the use of updated standard drawings in cases where the standard drawings have been updated and the updated version has been approved by the Department.

For pre-approval and updates to previously approved standard shop drawings, furnish seven sets of drawings of the complete assembly in accordance with Item 441, "Steel Structures" to the Director of Traffic Operations Division, Texas Department of Transportation, 125 East 11th Street, Austin, Texas 78701-2483.

Copies of the standard shop drawings are on file with Traffic Operations Division, Bridge Division, and the Materials Section of Construction Division. Additional shop drawings for high mast illumination assemblies built in conformance with these drawings are not required. Pre-approved shop drawing manufacturers and assembly model numbers can be found at <http://www.dot.state.tx.us/business/materialproducerlist.htm>. Category is roadway illumination and electrical supplies.

Provide High Pressure Sodium Lamps meeting the requirements of the latest standard sheet HMID (9) and ANSI C78. Furnish the type that extinguish at the end of their usable lamp life and remain extinguished without cycling. Provide 400-watt lamps containing less than 4 milligrams of mercury. Ensure the lamps are lead free and can

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pass the Toxic Characteristic Leachate Procedure (TCLP). Lamp examples: Osram-Sylvania LU 400/ECO Plus.

ITEM 616

The illumination plans provide for a complete illumination system installed, connected, tested, and ready for operation.

ITEM 618 OR 620

Do not use non-certified persons to perform electrical work. See Item 7.15 "Electrical Requirements" for additional details.

Electrical certification may be obtained by contacting the Texas Engineering Extension Service (TEEX) at (979) 845-6563 and asking for information on the TxDOT electrical system course.

ITEM 618

Use materials from prequalified producers as shown on the Construction Division (CST) of the Texas Department of Transportation (TxDOT) material producers list. Use the following website to view this list:

<http://www.dot.state.tx.us/business/materialproducerlist.htm>

Refer to plans and specifications for type of conduit. Waterproof and tighten all couplings and connections. All proposed and existing conduit will be brought into a ground box and elbowed unless otherwise shown on the plans. Provide a bushing to protect the wire from abrasion when a conduit run terminates.

Replace sections of conduit with the size and type shown on the plans in the event the existing conduit proves unusable due to location or damage.

Secure permission from the proper authority as directed before cutting into or removing any sidewalks or curbs for installation of this Item.

Saw cut and replace any riprap which must be removed to install the conduit with material and texture as directed.

The locations of conduit and ground boxes are diagrammatic and will be shifted as directed to accommodate field conditions.

Install conduit in an area not exceeding 2 ft. in any direction from a straight line with the depth of the conduit at least 2 ft. unless otherwise shown on the plans. Installation of the conduit by jacking or boring method will be at a depth of at least 1 ft. below the

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bottom of the base material of the roadway. Evidence of damage to the roadway during the jacking or boring operation will be enough grounds to stop the method being used.

Install conduit on a 2 in. sand cushion and backfill with at least 6 in. of sand. Backfill the remainder of the trench with flexible base, soil or two-sack concrete as required by the location of the conduit or as directed.

Consider all conduit elbows and rigid metal extensions required to be installed on pvc conduit systems subsidiary to the pertinent Items.

Install a non-metallic pull rope in conduit runs which are longer than 50 ft. Installed pull ropes in conduit are for future use and will be capped using standard weather tight conduit caps as directed. Consider this work subsidiary to the pertinent Item.

Install a continuous bare or green insulated copper wire No. 8 AWG or larger in every conduit throughout the electrical system including installed loop detectors and traffic signal cables which are in conformance with the Electrical Detail Standard Sheets and the latest edition of the National Electric Code.

Placement of conduit under the existing pavement using the open trench method will not be allowed without prior approval.

Consider all fittings, brackets, and junction boxes necessary to complete the installations subsidiary to the pertinent Item.

ITEM 620

Do not use non-certified persons to perform electrical work. See Item 7.15 "Electrical Requirements" for additional details.

Electrical certification may be obtained by contacting the Texas Engineering Extension Service (TEEX) at (979) 845-6563 and asking for information on the TxDOT electrical system course.

Test each wire of each cable or conductor after installation. Incomplete circuits or damage to the wire or cable are cause for immediate rejection of the entire cable being tested. Remove and replace the entire cable at no expense to the Department. Also test the replacement cable after installation.

When pulling cables or conductors through the conduit, do not exceed the manufacturer's recommended pulling tensions. Lubricate the cables or conductors with a lubricant recommended by the cable manufacturer.

Ensure that the circuits test clear of faults, grounds, and open circuits.

Split bolt connectors are allowed only for splices on the ground conductors.

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Identify the conductors as shown on the Electrical Details Standard Sheets when two or more conductors are present in one conduit or enclosure. Use a tag with a single plastic strap as directed when the identification tag with two plastic straps is too large for the conductors. Each tag will indicate circuit number, letter, or other identification as shown on the plans.

Bond grounding conductors which share the same conduit, junction box or structures together at every accessible point in accordance with the Electrical Detail Standard Sheets and the latest edition of the National Electric Code.

All wiring will be in accordance with the National Electric Code and the appropriate Department standard sheets.

ITEM 628

Secure a permit for electric service from the City of Austin when working within the City of Austin. If the Title Sheet has been signed by the city representative, secure the permit by presenting a copy of the Title Sheet to the City Planning Department. If the Title Sheet has not been signed by the city representative, have a Master Electrician apply for the permit.

Power provided to the location shown for primary line extensions, connection and meter charges and other expenses by the utility company will be paid for under Force Account Work. Ensure the costs associated with these charges are approved before engaging the utility company to do the work.

ITEM 662

Temporary flexible-reflective tabs and foil backed pavement markings will not be allowed.

ITEM 666

Apply Type I Reflectorized Pavement Markings no sooner than 7 days after applying the final course of HMA.

Type II reflectorized pavement markings shall be placed only at areas of new HMA and prior to opening roadway to traffic.

Reference existing channel islands, gores, and lane striping before commencing work. Provide referencing that will include a sketch of the layout to the Engineer. Obtain approval for placement of guidemarks from the Engineer before installing any permanent pavement markings. Consider subsidiary to the pertinent Item.

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ITEM 672

Use bituminous adhesive to bond all raised pavement markers to the pavement.

Place the bituminous adhesive at a temperature range of 380°F to 390°F. Place the pavement marker on the bituminous adhesive approximately 20 seconds after the adhesive is placed on the pavement. Ensure the pavement marker rests solely on the adhesive and not the pavement surface. Ensure that a minimum of 1/8 in. layer of bituminous adhesive remains between the pavement marker and the pavement surface.

Apply raised pavement markers no sooner than 14 days after applying the final course of HMAC.

Use 40-ft spacing for raised pavement markers for the broken white stripe (lane lines) unless otherwise approved.

ITEM 6038

Provide electronic portable changeable message signs as part of the traffic control operations. Provide backups and keep operational and available on the jobsite at all times during traffic control operations.